

**AMENDMENTS TO THE CLAIMS:** This listing of claims will replace all prior versions, and listing, of claims in the application:

**Listing of Claims:**

Claim 1. (Previously Presented) A method for integrating  
2 building services comprising the acts of:

(a) connecting at least one server to a first external  
4 communications interface via a first interconnection channel to  
form a first integrated building services system;

(b) connecting a plurality of integrated building services  
6 to said first interconnection channel, wherein said first  
8 integrated building services system and said plurality of  
integrated building services form a first building element, and  
10 further wherein said plurality of integrated building services  
are two or more of at least one service device, at least one  
12 client device, at least one client application, and at least one  
MIS application;

(c) developing an adapter element for each of said at  
14 least one service device, each of said at least one client  
device, and each of said at least one MIS application, wherein  
16 each said adapter element is an interface between said first  
18 integrated building services system and each of said at least  
one service device, each of said at least one client device, and  
20 each of said at least one MIS application;

(d) loading each of said adapter elements onto said at  
22 least one server, wherein said first interconnection channel and  
each of said adapter elements encapsulate said plurality of  
24 integrated building services with a standard interconnection  
behaviors, allowing an underlying implementation of any of said  
26 plurality of integrated building services to be changed without  
affecting the behavior of said first integrated building  
28 services system;

(e) for said at least one client application,

(e1) developing said first client application to be compatible with said first integrated building services system; and

(e2) connecting said first client application to said first interconnection channel;

(f) connecting said first external communications interface to a public internet via a first communications channel; and

(g) accessing a web site associated with said first integrated building services system by a user to gain access by said user to utilize any of said plurality of integrated building services of said first building element.

Claim 2. (Cancelled)

Claim 3. (Previously Presented) A method for integrating building services according to claim 1 wherein said at least one service device is selected from the group consisting of vending machines, access security devices, printers, copiers, fax machines, health and exercise equipment, bio-metric monitors, and point of sale devices.

Claim 4. (Canceled)

Claim 5. (Canceled)

Claim 6. (Previously Presented) A method for integrating building services according to claim 1 further comprising the acts of:

interpreting an access ID from a signal received in a first said adapter element in said at least one server, wherein said signal is received via said first interconnection channel from

an access device reader associated with said at least one  
8 service device in response to interaction with an access device;  
searching a database within said at least one server for a  
10 matching access ID;  
when a match is found, sending an authorization signal to  
12 said at least one service device; and  
when a match is not found, sending a deny signal to said at  
14 least one service device.

Claim 7. (Cancelled)

Claim 8. (Previously Presented) A method for integrating  
2 building services according to claim 1 wherein said at least one  
client device is selected from the group consisting of personal  
4 computers, personal digital assistants, office telephones, and  
cellular telephones.

Claim 9. (Canceled)

Claim 10. (Cancelled)

Claim 11. (Cancelled)

Claim 12. (Previously Presented) A method for integrating  
2 building services according to claim 1 wherein said at least one  
client application is selected from the group consisting of  
4 custom travel arrangement services, meeting and resource  
scheduling, copy center, computer based training, health  
6 monitoring services, member Intranet, view account, and  
automatic personal adaptable environment controls.

Claim 13. (Cancelled)

Claim 14. (Previously Presented) A method for integrating  
2 building services according to claim 1 further comprising the  
acts of:

4 repeating acts (e), (e1), and (e2) for at least one next  
client application.

Claim 15. (Cancelled)

Claim 16. (Previously Presented) A method for integrating  
2 building services according to claim 1 wherein said at least one  
MIS application is selected from the group consisting of  
4 integrated enterprise resource planning and management  
information, accounting, general ledger, receivables, payables,  
6 asset management, budget, purchasing, billing, payroll,  
inventory, human resources, economic monitoring, decision  
8 support, order management, and inventory.

Claim 17. (Canceled)

Claim 18. (Canceled)

Claim 19. (Currently Amended) A method for integrating building  
2 services according to claim 1 further comprising the acts of:

| (e<sub>h</sub>) connecting another plurality of integrated building  
4 services to a second interconnection channel having a second  
external communications interface to form a second integrated  
6 building services system within a second building element; and

| (e<sub>i</sub>) connecting said first building element to said second  
8 building element via a communications network connected between  
said first external communications interface and said second  
10 external communications interface, wherein said first integrated  
building services system is compatible with said second  
12 integrated building services system.

Claim 20. (Previously Presented) A method for integrating  
2 building services according to claim 19 wherein said another  
plurality of integrated building services is selected from the  
4 group consisting of service devices, client devices, client  
applications, and MIS applications.

Claim 21. (Previously Presented) An apparatus for integrated  
2 building services, said apparatus comprising:

a first building element, said first building element  
4 comprising;

a first integrated building services system, said  
6 first integrated building services system comprising;

at least one server;

8 a first external communications interface; and

a first interconnection channel connecting said

10 at least one server to said first external

communications interface;

12 a plurality of integrated building services connected to  
said first integrated building services system, wherein said  
14 plurality of integrated building services are two or more of at  
least one service device, at least one client device, at least  
16 one MIS application, and at least one client application,  
wherein said at least one client application is developed to be  
18 compatible with said first integrated building services system  
and is connected to said first interconnection channel;

20 an adapter element for each of said at least one service  
device, each of said at least one client device, and each of  
22 said at least one MIS application, wherein each said adapter  
element is loaded onto said at least one server, and each said  
24 adapter element is an interface between said first integrated  
building services system and each of said at least one service  
26 device, each of said at least one client device, and each of

said at least one MIS application, and further wherein said  
28 first interconnection channel and each of said adapter elements  
encapsulate said plurality of integrated building services with  
30 a standard interconnection behaviors, allowing an underlying  
implementation of any of said plurality of integrated building  
32 services to be changed without affecting the behavior of said  
first integrated building services system;

34 a first communications channel connecting said first  
external communications interface to a public internet; and

36 a web site associated with said first integrated building  
services system which is accessed by a user in order to utilize  
38 any of said plurality of integrated building services of said  
first building element.

Claim 22. (Cancelled)

| Claim 23. (Currently Amended) ~~A method~~An apparatus for  
2 integrated building services according to claim 21 wherein said  
at least one service device is selected from the group  
4 consisting of vending machines, access security devices,  
printers, copiers, fax machines, health and exercise equipment,  
6 bio-metric monitors, and point of sale devices.

Claim 24. (Cancelled)

Claim 25. (Previously Presented) An apparatus for integrated  
2 building services according to claim 21 further comprising:

an access device reader associated with said at least one  
4 service device;

an access device operable together with said access device  
6 reader, wherein when operable together said access device causes  
a signal to be sent from said access device reader over said  
8 first interconnection channel to a first said adapter element,

and further wherein said first said adapter element interprets  
10 an access ID from said signal; and  
a database within said server, wherein said first said  
12 adapter element searches said database for a matching access ID  
and when a match is found, said first said adapter element sends  
14 an authorization signal to said at least one service device, and  
when a match is not found said first said adapter element sends  
16 a deny signal to said at least one service device.

Claim 26. (Cancelled)

Claim 27. (Cancelled)

| Claim 28. (Currently Amended) ~~A method~~An apparatus for  
2 integrated building services according to claim 21 wherein said  
at least one client device is selected from the group consisting  
4 of personal computers, personal digital assistants, office  
telephones, and cellular telephones.

Claim 29. (Cancelled)

Claim 30. (Cancelled)

Claim 31. (Cancelled)

| Claim 32. (Currently Amended) ~~A method~~An apparatus for  
2 integrated building services according to claim 21 wherein said  
at least one client application is selected from the group  
4 consisting of custom travel arrangement services, meeting and  
resource scheduling, computer based training, health monitoring  
6 services, member Intranet, view account, and automatic personal  
adaptable environment controls.

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Claim 33. (Canceled)

Claim 34. (Cancelled)

Claim 35. (Cancelled)

Claim 36. (Currently Amended) ~~A method~~An apparatus for  
integrated building services according to claim 21 wherein said  
at least one MIS application is selected from the group  
consisting of integrated enterprise resource planning and  
management information, accounting, general ledger, receivables,  
payables, asset management, budget, purchasing, billing,  
payroll, inventory, human resources, economic monitoring,  
decision support, order management, and inventory.

Claim 37. (Cancelled)

Claim 38. (Cancelled)

Claim 39. (Previously Presented) An apparatus for integrated  
building services according to claim 21 further comprising:  
a second building element, said second building element  
comprising;  
a second integrated building services system, said  
second integrated building services system comprising;  
a second external communications interface; and  
a second interconnection channel connected to  
said second external communications interface; and  
another plurality of integrated building services  
connected to said second integrated building services  
system; and  
a communications network connected between said first  
external communications interface and said second external

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communications interface, wherein said first integrated building  
16 services system is compatible with said second integrated  
building services system.

Claim 40. (Previously Presented) An apparatus for integrated  
2 building services according to claim 39 wherein said another  
plurality of integrated building services is selected from the  
4 group consisting of service devices, client devices, client  
applications, and MIS applications.